# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Monday 07 Mar 2022 until 23:59 on Tuesday 08 Mar 2022

Forecast Issued on Sunday 06 Mar 2022 at 11:37

**Confidence:** High for settled Monday, then increasing chance of rain and summit snow crossing from the west from late Tuesday, but lowering for detail of worst of weather thereafter.

**Headline for Monday 07 Mar 2022:** Largely dry with sunny spells. Cold at height in freshening summit winds.

**Mountain weather hazards on Monday 07 Mar 2022**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>Low Likelihood | **Poor visibility**<br>No Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Clear night | Clear night | Sunny | Sunny | Sunny intervals | Sunny intervals | Clear night | Clear night |
| Precipitation probability | | | | | | | |
| 00% | 00% | 00% | <05% | 10% | <05% | 00% | 00% |

**Forecast for Monday 07 Mar 2022**

**Weather:** Dry with clear spells overnight. Largely dry by day with bright and sunny spells, most widespread early morning and from mid-afternoon. However the odd light shower may develop either side of mid-day.

**Chance of cloud-free hill tops above 800m:** 70%

**Low cloud and visibility:** Good or very good, becoming briefly moderate or poor in showers, very poor in cloud with bases occasionally lowering 600-800m, particularly either side of noon.

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# Mountain Weather Forecast

**Forecast for Monday 07 Mar 2022**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 14/19 SE | 10/16 SE | 10/15 SE | 18/23 SE | 21/28 SE | 23/31 SE | 27/36 SE | 33/44 SE | 35/48 SE |
| **600** | 15/20 SE | 11/17 S | 8/12 S | 12/18 SE | 17/26 SE | 19/29 SE | 22/33 SE | 29/42 SE | 31/45 SE |
| **300** | 7/16 S | 7/15 S | 5/13 SE | 10/19 SE | 11/23 SE | 11/24 SE | 7/21 SE | 11/32 SE | 15/37 SE |
| **Valley** | 5/14 SE | 3/10 SE | 3/10 SE | 5/12 SE | 8/17 SE | 9/19 SE | 6/18 SE | 12/27 SE | 12/26 SE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -1/-6 | -2/-7 | -3/-8 | -3/-10 | -2/-9 | -1/-8 | -2/-10 | -2/-11 | -6/-16 |
| **600** | -0/-6 | -2/-6 | -2/-6 | -1/-6 | 1/-5 | 2/-4 | 0/-6 | -1/-9 | -3/-12 |
| **300** | 0/-3 | -0/-4 | -1/-4 | 2/-2 | 4/-0 | 5/1 | 3/-0 | 1/-4 | -1/-7 |
| **Valley** | 3/1 | 2/0 | 1/-1 | 4/2 | 6/3 | 7/4 | 6/3 | 4/-0 | 2/-2 |
| **Freezing Level*** | 400m | 300m | 200m | 300m | 400m | 600m | 500m | 400m | 200m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Significant wind chill across higher summits.

**Forecast for Tuesday 08 Mar 2022**

**Weather:** Dry and bright for much of the day, then increasing chance of a weakening band of rain, falling as snow from around 700m, crossing from the west for the evening.

**Maximum wind:** South or southeast mean 30-35mph with gusts reaching 50mph over most exposed ridges and summits.

**Chance of cloud-free hill tops above 800m:** 90% becoming 60% during the evening.

**Low cloud and visibility:** Good or very good, becoming moderate in later rain, very poor in cloud with bases quite extensive from 600-800m in later rain.

**Temperature:** **Valleys:** Minus 3 Celsius increasing plus 10 Celsius during the afternoon
**At 800m:** Minus 5 Celsius increasing plus 1 Celsius
**Freezing level:** 200m lifting 900m

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Sunday 6 March Location: Helvellyn summit at 13:00 Full report: A beautiful springlike day with plenty of sunshine and light winds. Helvellyn had an almost alpine feel about it today with a marked difference in temperature between sunshine and shade. The snowline starts at roughly 700m, however, distribution varies considerably from very little or nothing on sunny (south-facing) aspects to drifts over 50cm deep on high north and east-facing slopes. In these areas, old patches of hard refrozen snow (névé) are present underneath fresher snow that fell a couple of days ago. In the current conditions, these require the use of crampons and an ice axe to move over safely. This includes the exit slopes to both Striding and Swirral edges, both of which have large areas of unavoidable snow and were causing some ill-equipped parties a lot of problems and distress today. With lots of rock still exposed, a slip in any of these areas, if not stopped quickly, could result in a long fall with very serious consequences. Some snow was softening in the sun during the day today, but with freezing temperatures overnight it is likely to freeze and become hard and icy tomorrow. Small patches of windslab are present on high, predominantly east-facing scarp slopes and ridge flanks. Small cornices are also present around corrie rims and should be given a wide berth. On popular routes, compacted snow from walkers' feet is often well frozen and icy (particularly in shaded areas) making microspikes a very sensible addition to your rucksack. Full winter clothing (warm and waterproof) including hats and gloves and equipment including a map, compass, and headtorch are all essential items for anyone venturing out into the hills. Temperature: plus 0.5C, Maximum wind speed 8.0mph, Wind chill: minus 3.5C, Average wind speed: 5.1mph

Issued at: 1137 on Sun 06 Mar 2022

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